

CLAIMS

What is claimed is:

- 5 1. An elastomer part for exposure to reactive plasma, said part having
a magnetic flux density of at least 10 gauss at its surface.
2. An elastomer part of claim 1 wherein said magnetic flux density is
at least 200 gauss.
- 10 3. An elastomer part of claim 1 wherein a source of magnetic flux
density is magnetic material contained within said part.
4. An elastomer part of claim 3 wherein said magnetic material is at
15 least one magnet selected from the group consisting of permanent magnet
and electromagnets.
5. An elastomer part of claim 4 wherein said permanent magnet is
selected from the group consisting of ferrite magnets, ferrite-rubber
20 magnets, aluminum-nickel-cobalt magnets, samarium-cobalt magnets and
neodymium magnets.
- 6 An elastomer part of claim 1 wherein a source of magnetic flux
density is one or more magnets external to said part, wherein said
25 magnets are placed in close proximity to a surface of said part which is
exposed to plasma while in use.
7. A slit valve door for exposure to reactive plasma, said door having a
sealing surface and an elastomer part mounted on said sealing surface
30 and wherein at least one magnet is mounted on said door, said magnet
mounted in close proximity to said elastomer part so as to result in a
magnetic flux density of at least 10 gauss on a surface of said elastomer
part.

8. A pipe flange for exposure to reactive plasma, said flange having a sealing surface and an elastomer part mounted on said sealing surface
- 5 and wherein at least one magnet is mounted on said sealing surface, said magnet mounted in close proximity to said elastomer part so as to result in a magnetic flux density of at least 10 gauss on a surface of said elastomer part.